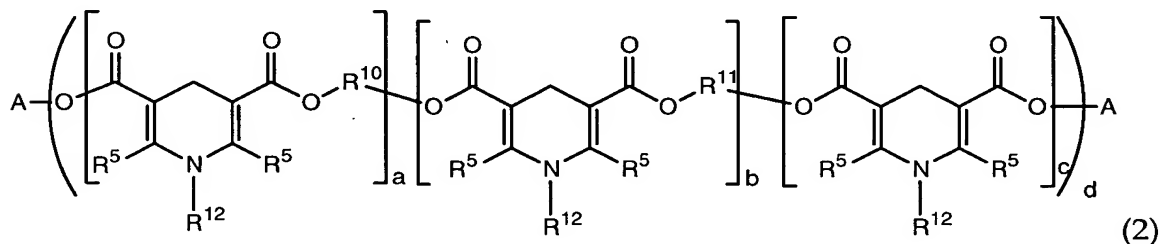


WHAT IS CLAIMED IS:

1. A stabilizer composition comprising  
a dihydropyridine, a polydihydropyridine, or a mixture thereof, wherein the dihydropyridine is of formula (1)

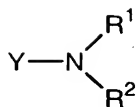


wherein each  $R^5$  is independently a  $C_1$  to  $C_{36}$  alkyl group, each  $R^4$  is independently hydrogen,  $-OR^7$ ,  $-NHR^7$ , or  $-NR^7R^8$  each  $R^7$  and  $R^8$  is independently a substituted or unsubstituted  $C_1$ - $C_{20}$  alkyl or  $C_2$ - $C_{20}$  alkenyl group, each  $R^6$  is independently hydrogen, oxygen, halogen, or a substituted or unsubstituted  $C_1$  to  $C_{36}$  alkyl, alkenyl, aryl, alkaryl, or aralkyl group, and  $R^{12}$  is a hydrogen, a substituted or unsubstituted  $C_1$ - $C_{20}$  alkyl,  $C_6$ - $C_{36}$  aryl, or  $C_6$ - $C_{36}$  alkaryl group, and wherein the polydihydropyridine is of formula (2):



wherein A is a  $C_{6-18}$  aryl or  $C_{1-22}$  alkyl group that is unsubstituted or substituted with a  $C_1$ - $C_{18}$  alkoxy,  $C_1$ - $C_{18}$  alkylthio, hydroxy, acryloyloxy, methacryloyloxy, halogen, phenyl or naphthyl group, each  $R^5$  is independently a  $C_1$  to  $C_{36}$  alkyl group, a and b are a number from 0 to 20, c is 0 or 1, and d is a number from 1 to 6, with the proviso that  $d(a+b+c) > 1$  and  $(a+b) > 0$ ,  $R^{10}$  and  $R^{11}$  are each independently methylene, phenyl, or an alkylene group of the type  $(-C_pH_{2p}-X-)_tC_pH_{2p}-$  wherein p is a number from 2 to 18, t is a number from 0 to 10, and X is oxygen or sulfur, and  $R^{12}$  is a hydrogen, a substituted or unsubstituted  $C_1$ - $C_{20}$  alkyl,  $C_6$ - $C_{36}$  aryl or  $C_6$ - $C_{36}$  alkaryl group;

an amino alcohol of formula 3:



(3)

wherein Y is a substituted or unsubstituted C<sub>1</sub>-C<sub>36</sub> alkyl, C<sub>6</sub>-C<sub>36</sub> aryl, C<sub>7</sub>-C<sub>36</sub> alkaryl, or C<sub>7</sub>-C<sub>36</sub> aralkyl group; R<sup>1</sup> and R<sup>2</sup> are each independently hydrogen or a substituted or unsubstituted C<sub>1</sub>-C<sub>36</sub> alkyl, C<sub>6</sub>-C<sub>36</sub> aryl, C<sub>7</sub>-C<sub>36</sub> alkaryl, or C<sub>7</sub>-C<sub>36</sub> aralkyl group, and two of Y, R<sup>1</sup>, or R<sup>2</sup> may join together to form a substituted or unsubstituted C<sub>2</sub>-C<sub>36</sub> carbocyclic or heterocyclic group having oxygen or sulfur heteroatoms in the ring, and further wherein Y, R<sup>1</sup>, and R<sup>2</sup> are substituted so as to provide the aminoalcohol with two or more hydroxy groups; and/or a perchlorate salt.

2. The stabilizer composition of claim 1, wherein the composition comprises an aminoalcohol and the aminoalcohol is tris(hydroxymethylamino)methane, tris(hydroxyethylamino)ethane, triethanolamine, N,N'-bis(2-hydroxyethyl)ethylenediamine, glucamine, or a mixture comprising at least one of the foregoing aminoalcohols.
3. The stabilizer composition of claim 1, wherein the composition comprises a perchlorate salt and the perchlorate salt has the formula M(ClO<sub>4</sub>)<sub>n</sub>, wherein M is Li, Na, K, Mg, Ca, Sr, Zn, Al, La or Ce, and n is 1, 2 or 3, depending on the valence of M.
4. The stabilizer composition of claim 1, 2, or 3, wherein each R<sup>4</sup> is -OR<sup>7</sup>, and R<sup>7</sup> is a C<sub>1</sub>-C<sub>6</sub> alkyl group.
5. The stabilizer composition of claim 1, 2, or 3 wherein the composition comprises an aminoalcohol and a perchlorate salt, and wherein aminoalcohol is tris(hydroxymethylamino)methane or triethanolamine, each R<sup>4</sup> is -OR<sup>7</sup> wherein R<sup>7</sup> is

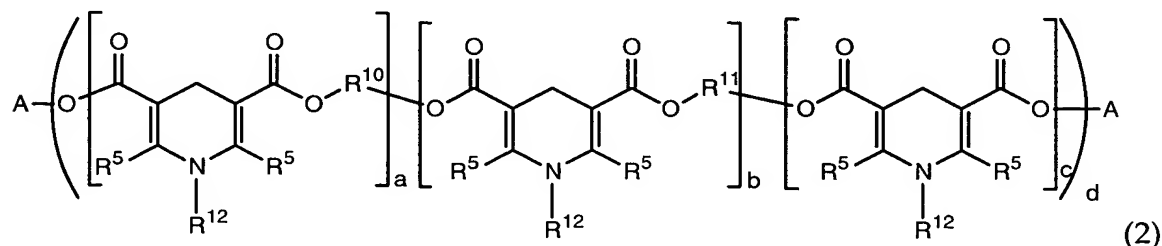
a methyl or ethyl group, each  $R^5$  is the same, and the perchlorate salt is sodium perchlorate.

6. A method of stabilizing a composition comprising adding to a halogen-containing vinyl polymer composition the stabilizer composition of claim 1, 2, or 3.

7. A polymeric composition, comprising  
a halogen-containing vinyl polymer,  
a dihydropyridine, a polydihydropyridine, or a mixture thereof, wherein the dihydropyridine is of formula (1)



wherein each  $R^5$  is independently a  $C_1$  to  $C_{36}$  alkyl group, each  $R^4$  is independently hydrogen,  $-OR^7$ ,  $-NHR^7$ , or  $-NR^7R^8$  each  $R^7$  and  $R^8$  is independently a substituted or unsubstituted  $C_1$ - $C_{20}$  alkyl or  $C_2$ - $C_{20}$  alkenyl group, each  $R^6$  is independently hydrogen, oxygen, halogen, or a substituted or unsubstituted  $C_1$  to  $C_{36}$  alkyl, alkenyl, aryl, alkaryl, or aralkyl group, and  $R^{12}$  is a hydrogen, a substituted or unsubstituted  $C_1$ - $C_{20}$  alkyl,  $C_6$ - $C_{36}$  aryl, or  $C_6$ - $C_{36}$  alkaryl group, and wherein the polydihydropyridine is of formula (2):



wherein A is a  $C_6$ - $18$  aryl or  $C_{1-22}$  alkyl group that is unsubstituted or substituted with a  $C_1$ - $C_{18}$  alkoxy,  $C_1$ - $C_{18}$  alkylthio, hydroxy, acryloyloxy, methacryloyloxy, halogen, phenyl or naphthyl group, each  $R^5$  is independently a  $C_1$  to  $C_{36}$  alkyl group, a and b

are a number from 0 to 20, c is 0 or 1, and d is a number from 1 to 6, with the proviso that  $d(a+b+c) > 1$  and  $(a+b) > 0$ ,  $R^{10}$  and  $R^{11}$  are each independently methylene, phenyl, or an alkylene group of the type  $(-C_pH_{2p}-X-)_tC_pH_{2p}-$  wherein p is a number from 2 to 18, t is a number from 0 to 10, and X is oxygen or sulfur, and  $R^{12}$  is a hydrogen, a substituted or unsubstituted  $C_1$ - $C_{20}$  alkyl,  $C_6$ - $C_{36}$  aryl or  $C_6$ - $C_{36}$  alkaryl group;

an amino alcohol of formula 3:



wherein Y is a substituted or unsubstituted  $C_1$ - $C_{36}$  alkyl,  $C_6$ - $C_{36}$  aryl,  $C_7$ - $C_{36}$  alkaryl, or  $C_7$ - $C_{36}$  aralkyl group;  $R^1$  and  $R^2$  are each independently hydrogen or a substituted or unsubstituted  $C_1$ - $C_{36}$  alkyl,  $C_6$ - $C_{36}$  aryl,  $C_7$ - $C_{36}$  alkaryl, or  $C_7$ - $C_{36}$  aralkyl group, and two of Y,  $R^1$ , or  $R^2$  may join together to form a substituted or unsubstituted  $C_2$ - $C_{36}$  carbocyclic or heterocyclic group having oxygen or sulfur heteroatoms in the ring, and further wherein Y,  $R^1$ , and  $R^2$  are substituted so as to provide the aminoalcohol with two or more hydroxy groups; and/or

a perchlorate salt.

8. The stabilized copolymer composition of claim 7, wherein the composition comprises an aminoalcohol and the aminoalcohol is tris(hydroxymethylamino)methane, tris(hydroxyethylamino)ethane, triethanolamine, N,N'-bis(2-hydroxyethyl)ethylenediamine, glucamine, or a mixture comprising at least one of the foregoing aminoalcohols.

9. The stabilized polymer composition of claim 7, comprising 0.01 to 5 phr of the dihydropyridine, 0.1 to 3 phr of the aminoalcohol, and 0.001 to 5 phr of the perchlorate salt.

10. An article comprising the stabilized polymer composition of claim 7, 8, or 9.